

## Totaliser *CODIX 540*

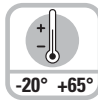
- Simple programmable pulse counter Codix 520
- Single channel totaliser



Power supply  
AC/DC



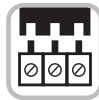
Front bezel  
dimensions



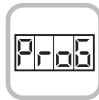
Wide temper-  
ature range



High IP  
protection  
rating



Plug-in screw  
terminal



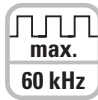
Menu-driven  
programming



Operation  
with gloves



Input type



Pulse counter/  
Totaliser

### Powerful

- **Fast count input**  
Input frequency max. 60 kHz
- **Robust housing**  
IP 65 protection
- **LED display**  
Very bright, 14 mm high
- **Simple totalizing and quantity counters**  
Single channel count input and reset input  
Programmable for positive (PNP) or negative (NPN) switching input pulses  
Fast count input with an input frequency of max. 60 kHz, can be damped to 30 Hz for mechanical contacts
- **Fast start-up time**  
Detects incoming pulses just 16 ms after being switched on – so no pulses are lost with a simultaneous motor start-up



### User-friendly

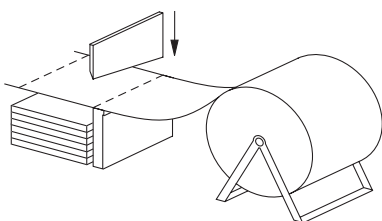
- **Big keys**  
Can also be operated when using gloves
- **Easy to programme**  
Easy menu-driven programming and operation  
Possibility to enter the programming mode during operation, with authentication query

### Universal

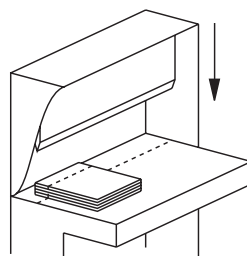
- **Programmable decimal point**  
Can be set between 0.0 and 0.000
- **Manual or electrical reset**  
Tamper-proof, due to lockable reset function
- **AC or DC power supply**  
With sensor power supply
- **Inputs**  
As an alternative to the HTL inputs, devices with a 5 VDC input trigger level are available, for use as parallel displays for PLCs

## Applications for Pulse Counters/ Totalisers

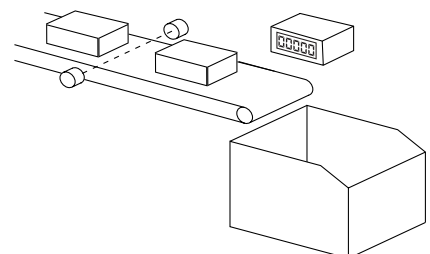
- Simple count tasks such as quantity and piece counting
- Accessories, OEM equipment or retrofitting to production machines
- Piece counting on die cutters, presses, extruders, woodworking machines, drilling machines, pick-and-place machines, guillotines, special-purpose vehicles etc.



Piece-counting



Number of cuts



Piece-counting on conveyor

## Totaliser **CODIX 540**

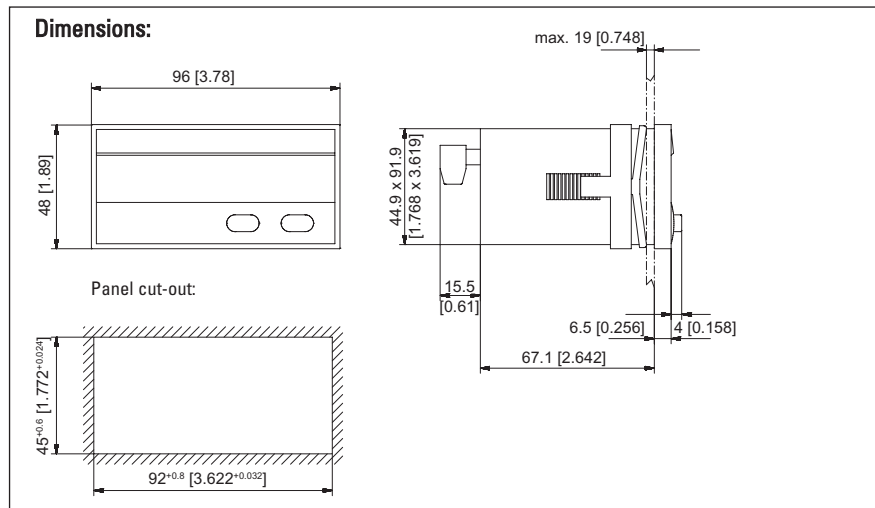
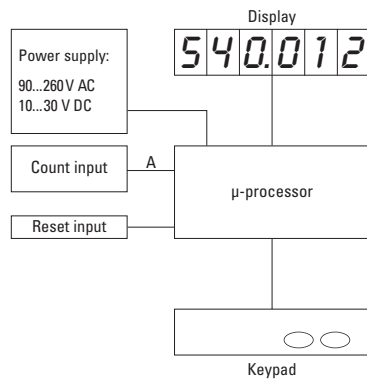
### Technical data:

Supply voltage( $U_B$ ):	10 ... 30 V DC, with reverse polarity protection 90 ... 260 V AC
Current consumption:	max. 50 mA, 6 VA
Display:	6-digit red 7-segment LED display; 14 mm [0.551"] high
Data backup:	EEPROM
Housing:	dimension 48 x 24 mm [1.89 x 0.945"] according to DIN 43 700; RAL 7021, grey
Polarity of Inputs:	programmable, npn or pnp for all inputs
Input resistance:	approx. 5k $\Omega$
Counting frequency*:	max. 60 kHz, can be damped to 30 Hz, depending on operating mode
Reset time:	5 ms
Input switching level (standard version):	DC-version: Low: 0 ... 0.2 [0 ... 0.008"] x $U_B$ [V DC] High: 0.6 [0.024"] x $U_B$ ... 30 V DC

	AC-version
	Low 0 ... 4 V DC
	High 12 ... 30 V DC
Input switching level (5 V version):	Low 0 ... 2 V DC High 4 ... 30 V DC
Voltage output for sensors:	24 V DC $\pm$ 15 %/100 mA for AC-version
Ambient temperature:	-20 ... +65 °C [-4 °F ... 149 °F] non-condensing
Storage temperature:	-25 ... +70 °C [-13 °F ... 158 °F]
EMC:	according to EC EMC directive 89/36/EWG
Immunity to interference:	EN 61000-6-4/EN 55011 class B
Emitted interference:	EN 61000-6-2
Protection:	IP 65 front side
Weight:	approx. 150 g [5.291 oz]

\*for further specifications please refer to the manual

### Block diagram:



### Order code:

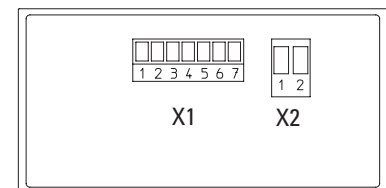
**6.540.012.XX0**

Input switching level  
0 = Standard level\*  
A = 5 V level

Voltage supply  
0 = 90 ... 260 V AC\*  
3 = 10 ... 30 V DC\*

\*standard stock model

### Connections:



### Connection: X2

Pin	AC-version	DC-version
1	90 ... 260 V AC	0 V DC (GND)
2	90 ... 260 V AC	10 ... 30 V DC

### Connection X1

Pin	AC-version	DC-version
1	n.c.	
2	n.c.	
3	Reset	
4	n.c.	
5	INP	
6	GND out	n.c.
7	+24 Vout	n.c.

**Delivery specification:** Multilingual operating instructions  
Digital display  
Mounting clip  
Seal